

ENTEC

ROTATIONAL MOLDING MATERIALS



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DOW RESILITY™ DPDB Rotational Molding Product Specifications

Grade	Applications	Melt Index	Unit	Range	Density	Melt Point	Flex Mod	Yield Strength	ESCR	HDT @ 66psi	ARM Impact .125"	ARM Impact .250"
DPDB-3220 NT 7 HDPE	General Purpose Custom Molding, Ag & Chemical Storage Tanks, Consumer/Recreational Goods, Int. Bulk Containers, Marine Parts	2	dg/min	1.8-2.2	0.942	262 F	130,000	3500 psi	> 667 h	136 F	-	195 ft-lb
DPDB-3135 NT 7 MDPE	General Purpose Custom Molding, Ag & Chemical Storage Tanks, Consumer/Recreational Goods, Toys, Int. Bulk Containers, Marine Parts	3.5	dg/min	2.7-4.3	0.938	259 F	108,000	3120 psi	> 1000 h	131 F	-	188 ft-lb
DPDB-3152 NT 7 MDPE	General Purpose Custom Molding, Consumer/Recreational Goods, Toys, Int. Bulk Containers, Industrial Packaging, Water Tanks, Marine Parts	5.2	dg/min	4.6-5.8	0.935	258 F	95,000	2730 psi	> 1000 h	124 F	-	188 ft-lb
DPDB-3162 NT 7 MDPE	General Purpose Custom Molding, Consumer Goods, Toys, Int. Bulk Containers, Water Tanks, Marine Parts	6.2	dg/min	-	0.940	258 F	119,000	3360 psi	> 48 h	133 F	-	185 ft-lb
DPDB-3170 NT 7 MDPE	General Purpose Custom Molding, Consumer/Recreational Goods, Toys, Water Tanks, Marine Parts	7	grams/10 minutes	6.2-7.8	0.935	258 F	93,000	2840 psi	> 1000 h	125 F	-	170 ft-lb

NOVA SURPASS® Rotational Molding Product Specifications

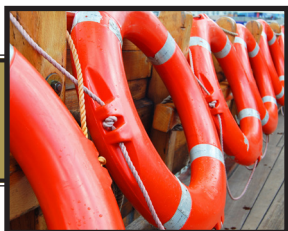
Grade	Applications	Melt Index	Unit	Range	Density	Melt Point	Flex Mod	Yield Strength	ESCR	HDT @ 66psi	ARM Impact .125"	ARM Impact .250"
RMs245U (UG) HDPE	Ag Tanks up to 20,000 Gallons, Parts Requiring Exceptional Stiffness & Toughness, High ESCR & High UV Resistance	1.70	grams/10 minutes	1.45-1.95	0.947	261 F	149,000	3340 psi	> 1000 h	145 F	55.3 ft-lb	181 ft-lb
RMs341U (UG) HDPE	Custom & Proprietary Components, Recreational & Leisure Equipment, Containers, Large Tanks, Marine Products	3.50	grams/10 minutes	2.85-4.15	0.941	259 F	119,000	2900 psi	> 1000 h	144 F	70 ft-lb	170 ft-lb
RMs539U (UG) LLDPE	Custom & Proprietary Components, Recreational & Leisure Equipment, Containers, Large Tanks, Marine Products	5.20	grams/10 minutes	4.20-6.20	0.939	257 F	113,000	2900 psi	> 1000 h	140 F	40 ft-lb	170 ft-lb

NOVA NOVAPOL® Rotational Molding Product Specifications

Grade	Applications	Melt Index	Unit	Range	Density	Melt Point	Flex Mod	Yield Strength	ESCR	HDT @ 66psi	ARM Impact .125"	ARM Impact .250"
TR-0338-UI (UIG) LLDPE	General Purpose Custom Molding, Ag & Chemical Storage Tanks, Consumer/Recreational Goods, Toys, Int. Bulk Containers, Marine Parts	3.50	grams/10 minutes	2.92-4.19	0.938	257 F	110,200	2,800	> 1000 h	140 F	52 ft-lb	162 ft-lb
TR-0535-UI (UIG) LLDPE	General Purpose Custom Molding, Consumer/Recreational Goods, Toys, Int. Bulk Containers, Industrial Packaging, Water Tanks, Marine Parts	5.00	grams/10 minutes	4.15-6.04	0.935	257 F	98,600	2,540	> 1000 h	136 F	49.4 ft-lb	160 ft-lb
TR-0735-U (UG) LLDPE	General Purpose Custom Molding, Consumer/Recreational Goods, Toys, Water Tanks, Marine Parts	7.00	grams/10 minutes	5.80-8.20	0.935	257 F	98,600	2,480	> 1000 h	136 F	50.2	150 ft-lb

High Performance Engineered Rotational Molding Product Specifications

Grade	Applications	Melt Index	Unit	Range	Density	Melt Point	Flex Mod	Yield Strength	ESCR	HDT @ 66psi	ARM Impact .125"	ARM Impact .250"
AQUATUF® HMP 337 HDPE	Products Requiring Exceptional Stiffness, Toughness & Impact Resistance, Recreational & Leisure Equipment, UV 15 Package	4	dg/min	-	0.949	275 F	170,000	3,300	-	140 F	60 ft-lb	-
AQUATUF® HMP 334 HDPE	Products Requiring Exceptional Stiffness, Toughness & Impact Resistance, Recreational & Leisure Equipment	4	dg/min	-	0.947	272.3 F	160,000	3,200	-	143.6 F	60 ft-lb	-
AQUATUF® HMP 327 HDPE	Products Requiring Exceptional Stiffness, Toughness & Impact Resistance, Recreational & Leisure Equipment	6	dg/min	-	0.947	-	165,000	3,350	-	-	55 ft-lb	-
HMP-321C1 HDPE	Products Requiring Exceptional Stiffness, Toughness & Impact Resistance, Recreational & Leisure Equipment	4	dg/min	-	0.947	-	170,000	3,200	-	143 F	64 ft-lb	-
HMP-305M HDPE	Products Requiring Exceptional Stiffness, Toughness & Impact Resistance, Recreational & Leisure Equipment	5	dg/min	-	0.945	-	150,000	3,000	-	-	56 ft-lb	-



General Color Compounded Rotational Molding Product Specifications

Grade	Applications	Melt Index	Unit	Range	Density	Melt Point	Flex Mod	Yield Strength	ESCR	HDT @ 66psi	ARM Impact .125"	ARM Impact .250"
HMP-301 HDPE	General Purpose Custom Molding, Ag & Chemical Storage Tanks, Consumer/Recreational Goods, Int. Bulk Containers, Marine Parts	2	dg/min	1.8-2.2	0.944	261 F	107,000	3100 psi	> 1000 h	132 F	-	200 ft-lb
HMP-304 MDPE	General Purpose Custom Molding, Ag & Chemical Storage Tanks, Consumer/Recreational Goods, Toys, Int. Bulk Containers, Marine Parts	3.5	dg/min	2.7-4.3	0.938	260 F	104,000	2930 psi	> 1000 h	133 F	60 ft-lb	186 ft-lb
HMP-305 MDPE	General Purpose Custom Molding, Consumer/Recreational Goods, Toys, Int. Bulk Containers, Industrial Packaging, Water Tanks, Marine Parts	5.2	dg/min	4.6-5.8	0.935	257 F	95,000	2720 psi	> 1000 h	125 F	59 ft-lb	188 ft-lb
HMP-307 MDPE	General Purpose Custom Molding, Consumer/Recreational Goods, Toys, Water Tanks, Marine Parts	7	dg/min	6.2-7.8	0.935	258 F	87,500	2670 psi	> 1000 h	123 F	53 ft-lb	168 ft-lb

Specialty Rotational Molding Product Specifications

Grade	Applications	Melt Index	Unit	Range	Density	Melt Point	Flex Mod	Yield Strength	ESCR	HDT @ 66psi	ARM Impact .125"	ARM Impact .250"
HYLON® N7000G Nylon 12	Products That Need High Heat Stability, Hydrolysis Resistance, Chemical Resistance, Dimensional Stability, Physical Properties Retention After Prolonged Outdoor Exposure & High Temperatures	1.02	-	-	-	352 F	60,000	6,400	-	244 F	-	-
Superlink 110 Crosslink	Products That Need To Have Very High Stiffness Along With Good Impact Strength, Fuel Containment	-	-	-	0.942	-	110,000	2900 psi	> 1000 h	-	70 ft-lb	170 ft-lb
Superlink 120 Crosslink	Products That Need To Have Very High Stiffness Along With Good Impact Strength, Fuel Containment	-	-	-	0.942	-	110,000	2900 psi	> 1000 h	-	70 ft-lb	170 ft-lb
Superlink 114 Crosslink	Products That Need To Have Very High Stiffness Along With Good Impact Strength, Fuel Containment	-	-	-	0.945	-	119,000	2850 psi	> 1000 h	-	70 ft-lb	200 ft-lb
PPROTO/IM Polypropylene	Products That Need High Heat Stability, Chemical Resistance, Dimensional Stability	20	-	-	0.900	-	175,000	3500 psi	-	221 F	-	-
RESILITY™ XUS 58441.00 Soft Touch	Products That Need To Have Flexibility And/Or A Soft Feel To The Touch, Easily blends with standard PE	5	g/10min		0.887	251.7 F	-	-	-	73.4	NA	> 200 ft-lb
HMP-372A-XXXX V2 PE	Products Needing A V2 Flame Rated Material	5	g/10min	-	0.937	-	129,000	2,500 psi	-	-	-	-

