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GTPLENE ECO HD 3 RD 105

Description	High density polyethylene recycled material			
Color	Red			
Applications	Outdoor products, Toys, Home's products.			
Processing Technology	Injection			
Physical Properties	Values	Unit	ISO	ASTM D
Density	0.95	g/cm ³	1183	792
Filler Content	-	%	3451	5630
Melt Flow Index 190°C/2.16 kg	3.5	g/10min	1133	1238
Melting Point (DSC)	-	°C	3146	3418
Mechanical Properties	Values	Unit	ISO	ASTM D
Tensile strength at yield	-	MPa	527-1	638
Flexural Strength at yield	-	MPa	178	790
Flexural Modulus	850	MPa	178	790
IZOD Impact strength, notched (23°C)	-	lb-ft/in2	-	256
IZOD Impact strength, notched (23°C)	4.5	KJ/m2	180 1eA	-
Thermal Properties	Values	Unit	ISO	ASTM D
HDT method B (0.450 MPa)	-	°C	75-1	648
Flammability	Values			
Flame rating at 3.2 mm	HB		UL94	UL94
Processing Conditions	Values			
Drying no need only suggested	2h/80°C	-	-	-
1st Zone	230°C	-	-	-
2nd Zone	235°C	-	-	-
3rd Zone	240°C	-	-	-
Mold	30 - 60°C	-	-	-

Notes: The values are to be considered typical and do not constitute a specification.

Test Temperature: 23°C, unless otherwise stated

Storage, transportation and handling:

Storage and handling of the resin should consider protecting it from direct sunlight, temperatures above 40°C, and ambient humidity. Exposure to any of these conditions will reduce the resin's storage time.

Transport and handling equipment must be designed and equipped with the necessary measures to prevent the creation and accumulation of fine particles and dust originating from or contained in the resin. Under certain circumstances, these particles can pose a hazardous risk.

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