

RAMSTER PF300G6BK11

P.B.T.+GF+UV

Product Description:

RAMSTER PF300G6BK11 is Black, 30% Glass Fiber Reinforced, UV Stabilized P.B.T, Injection Molding, Automotive Applications

Product Information:

Characteristic	Unit	Test method	Property value
Physical			
Density	g/cm ³	ISO 1183	1.53
MVR (250/2.16kg)	cm ³ /10	ISO 1133	11
Moisture absorption equilibrium 23C/50RH	%	ISO-62	0.2
Mold Shrinkage Flow 2mm	%	INTERNAL	0.2-0.5
Mold Shrinkage X Flow 2mm	%	INTERNAL	0.8-1.2
Water absorption, equilibrium at 23C	%	ISO-62	0.4
Mechanical			
Flexural Modulus	MPa	ISO 178	8100
Flexural Strength	MPa	ISO 178	195
Strain at Break	%	ISO 527-2/1A	2.7
Tensile Modulus	MPa	ISO 527-2/1A	9500
Tensile Strength	MPa	ISO 527-2/1A	127
Impact			
Notched Charpy Impact -30 Edgewise	kJ/m ²	ISO179-1/1eA	7
Notched IZOD Impact	kJ/m ²	ISO 180	12
Notched IZOD Impact -30 ASTM	J/m	ASTM D256	10
Notched IZOD Impact -40 ISO	kJ/m ²	ISO 180	12
Un Notched Charpy Impact -30 Edgewise	kJ/m ²	ISO179-1/1eU	60
Thermal			
HDT 0.45MPa	°C	ISO-75	220
HDT 1.8MPa	°C	ISO-75	200

Characteristic	Unit	Test method	Property value
Flammability			
Flammability FMVSS302	mm/min	FMVSS 302	<100
Flammability HB 3mm		UL-94	HB

Regulations:

ROHS2: ROHS Compliance

SVHC: SVHC Compliance

Conflict Minerals:

Pre Drying Temperature: 120°C

Pre Drying Duration: 3-4 Hours

Max Moisture: 0.02%

Processing recommendations:

Recommended Mold Temperature: 70-90°C

Feed: 40-60°C

Zone 1: 245-255°C

Zone 2: 245-255°C

Zone 3: 250-260°C

Revision #: 2

Revision Date: 14 Jan 2020

The technical data contained herein are guides to use Polyram resins. Information contained herein is to the best knowledge, true and assure. The customer is nevertheless obliged to run an incoming material control.