

ParsaFlex 31508

Rubber Toughened Polypropylene

Description

ParsaFlex 31508 is a high impact PP/EPDM blend which exhibits high melt flow rate leading to good processability. The grade is Excellent for car bumpers. Highly UV stabilized, it is also suitable for partially and non-painted car bumpers.

Characteristics

Material Status: Commercial: Active

Filler/Reinforcement: No Filler

Appearance: Black

Form: Pellets

Processing Method: Injection molding

Applications

Automotive applications; especially bumpers

Properties

Physical	Value	Unit	Test Method
Density	0.90	g/cm ³	ASTM D792
Molding Shrinkage		%	ASTM D955
Across Flow	1.3 - 1.6		
Flow			
Melt Flow Rate (MFR) (230°C/2.16 kg)	8	g/10min	ASTM D1238
Flammability	HB	-	UL 94
Mechanical	Value	Unit	Test Method
Tensile Modulus (50 mm/min)	800	MPa	ASTM D638
Tensile Stress (50 mm/min)		MPa	ASTM D638
Yield	19		
Break	NA		

Tensile Strain (50 mm/min)		%	ASTM D638
Yield	14		
Break	>120		
Flexural Modulus	NA	MPa	ASTM D790
Flexural Stress @ Yield	NA	MPa	ASTM D790
Flexural Strain @ Yield	NA	%	ASTM D790
Charpy Notched Impact Strength		kJ/m ²	ASTM D6110
@ 23 °C	No Break		
@ 0 °C	16		
@ -20 °C	8		
Charpy Unnotched Impact Strength		kJ/m ²	ASTM D6110
@ 23 °C	No Break		
Izod Notched Impact Strength	NA	J/m	ASTM D256
Scratch Resistance (2N)	NA	MPa	ASTM G171-03
Hardness (Shore D, 15 sec, 23°C)	59		ASTM D2240
Thermal	Value	Unit	Test Method
Heat Deflection Temperature		°C	ASTM D648
1.82 MPa, Unannealed	NA		
0.455 MPa, Unannealed	76		
Vicat Softening Temperature	135	°C	ASTM D1525

Notes:

Typical properties: these are not to be construed as specifications.