ParsaFill 29208

Mineral Filled Polypropylene

Description

ParsaFill 29208 is a 40 wt% mineral filled homo-polypropylene with good flow characteristics. Addition of filler improves stiffness, dimensional stability, hardness, processability, and heat resistance. It is used for the injection molding of stiff and heat resistance housings of all kinds. ParsaFill 29208 is a suitable material when economical issues are concerned.

Characteristics

Material Status: Commercial: Active

Filler/Reinforcement: Mineral Filler , 40% by weight

Appearance: Black

Form: Pellets

Processing Method: Injection molding

Applications

Automotive Applications, Home Appliances, Garden Furniture

Properties

Physical	Value	Unit	Test Method
Density	1.22	g/cm^3	ASTM D792
Molding Shrinkage		%	ASTM D955
Across Flow	0.8 - 1.1		
Flow	0.8 - 1.1		
Melt Flow Rate (MFR) (230°C/2.16 kg)	7 - 9	g/10min	ASTM D1238
Flammability	HB	-	UL 94
Mechanical	**Value**	**Unit**	**Test Method**
Tensile Modulus (50 mm/min)	2400	MPa	ASTM D638
Tensile Stress (50 mm/min)		MPa	ASTM D638
Yield	21		
Break	18		

Tensile Strain (50 mm/min)		%	ASTM D638
Yield	6		
Break	20		
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	6		
@ 0 °C	NA		
@ -20 °C	NA		
Charpy Unnotched Impact Strength		kJ/m^2	ASTM D6110
@ 23 °C	40		
Izod Notched Impact Strength	NA	J/m	ASTM D256
Scratch Resistance (2N)	NA	MPa	ASTM G171-03
Hardness (Shore D, 15 sec, 23°C)	69		ASTM D2240
Thermal	**Value**	**Unit**	**Test Method**
Heat Deflection Temperature		°C	ASTM D648
1.82 MPa, Unannealed	128		
0.455 MPa, Unannealed	80		
Vicat Softening Temperature	NA	°C	ASTM D1525

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