



ParsaFlex 25204G

Compounded Polyolefin

Description

ParsaFlex 25204G is a mineral filled modified polypropylene with good flow characteristics. It provides reasonable stiffness and high impact resistance. The material is UV stabilized and demonstrates good scratch resistance and low odor. ParsaFlex 25204G has been particularly designed for injection molding of automotive interior parts and trims.

Characteristics

Material Status: Commercial: Active

Filler/Reinforcement: Mineral Filler, 20% by weight

Appearance: Color-Matched

Form: Pellets

Processing Method: Injection molding

Applications

Automotive applications, Interior parts, and Consoles

Value	Unit	Test Method
1.04	g/cm ³	ASTM D792
	%	ASTM D955
1.0 - 1.2		
7 - 9	g/10min	ASTM D1238
НВ	-	UL 94
Value	Unit	Test Method
1800	MPa	ASTM D638
	MPa	ASTM D638
18		
13		
	1.04 1.0 - 1.2 7 - 9 HB Value 1800	1.04 g/cm³ % 1.0 - 1.2 7 - 9 g/10min HB - Value Unit 1800 MPa MPa MPa 18

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Tensile Strain (50 mm/min)		%	ASTM D638		
Yield	6				
Break	> 50				
Flexural Modulus	1750	MPa	ASTM D790		
Flexural Stress @ Yield	20	MPa	ASTM D790		
Flexural Strain @ Yield	NA	%	ASTM D790		
Charpy Notched Impact Strength		kJ/m²	ASTM D6110		
@ 23 °C	25				
@ 0 °C	8				
@ -20 °C	5				
Charpy Unnotched Impact Strength		kJ/m²	ASTM D6110		
@ 23 °C	No Break				
Izod Notched Impact Strength		kJ/m²	ASTM D256		
@ 23 °C	23				
@ 0 °C	7				
@ -20 °C	4.5				
Scratch Resistance (2N)	110	MPa	ASTM G171-03		
Hardness (Shore D)	63		ASTM D2240		
Thermal	Value	Unit	Test Method		
Heat Deflection Temperature		°C	ASTM D648		
1.82 MPa, Unannealed	55				
0.455 MPa, Unannealed	105				
Vicat Softening Temperature	NA	°C	ASTM D1525		
Processing Conditions					
Drying Temperature	80 °C				
Drying Time	2h	2h			
Barrel Temperature	190 - 230 °C	190 - 230 °C			
Melt Temperature	210 - 240 °C	210 - 240 °C			
Mould Temperature	30 - 50 °C	30 - 50 °C			
Injection Speed	Low to medium	Low to medium			
Hold Pressure	30 - 60 MPa				

Notes:

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

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