

TOTAL Polypropylene PPC 7810

Polypropylene Impact Copolymer

TOTAL Refining & Chemicals

Message:

Polypropylene PPC 7810 is a very high impact heterophasic copolymer with a Melt Flow Index of 15 g/10 min.
Polypropylene PPC 7810 has been specially developed for high impact and heavy duty applications like automotive bumpers, crates and pails

General Information			
Features	Ultra High Impact Resistance		
Uses	Automotive Applications		
	Automotive Bumper		
	Crates		
	Pails		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ISO 1183
Apparent Density	0.53	g/cm ³	ISO 60
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	78		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1050	MPa	ISO 527-2
Tensile Stress (Yield)	24.0	MPa	ISO 527-2
Tensile Strain (Yield)	6.0	%	ISO 527-2
Flexural Modulus	950	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	8.5	kJ/m ²	
23°C	> 50	kJ/m ²	
Notched Izod Impact Strength			ISO 180
-20°C	8.0	kJ/m ²	
23°C	> 50	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	92.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	50.0	°C	ISO 75-2/A
Vicat Softening Temperature			

--	135	°C	ISO 306/A50
--	65.0	°C	ISO 306/B50
Melting Temperature (DSC)	165	°C	ISO 3146

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