

SABIC® PPcompound 5040

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Saudi Basic Industries Corporation (SABIC)

Product Texts

SABIC® PPcompound 5040 is an impact-modified Polypropylene for automotive interior applications. This material is emission optimized and has been designed to combine a good performance profile with good processing. SABIC® PPcompound 5040 is a designated automotive grade. IMDS ID: 666993041

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	30	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1450	MPa	ISO 527
Yield stress	25	MPa	ISO 527
Stress at break	16	MPa	ISO 527
Strain at break	25	%	ISO 527
Flexural modulus, 23°C	1500	MPa	ISO 178
Izod notched impact strength	4	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 0.45 MPa	90	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	905	kg/m ³	ISO 1183