

TECHNICAL DATASHEET

PP H2245



PRODUCT DESCRIPTION

PP H2245 is a Polypropylene Homopolymer with a Melt Flow Rate (MFR) of 24.5 g/10min. PP H2245 is a medium molecular weight distribution with anti-gas fading stabilization system. It has excellent gloss and chining properties.

TRPICAL APPLICATION

PP H2245 is used for the extrusion of bulk continuous filament (BCF) for carpet pile and high dtex continuous filament (CF) yarns. It is also suitable for non-woven.

TYPICAL DATA

Physical	Method	Unit	Value
Melt Flow Rate (230°C/2.16 kg)	ISO 1133	g/10min	24.5
Melting Temperature	ISO 11357-3	°C	163
Vicat Softening Temperature	ISO 306	°C	154
Heat Distortion Temperature @ 0.45 MPa	ISO 75-2	°C	85
Density	ISO 1183	g/cm ³	0.9

Mechanical	Method	Unit	Value
Tensile Strength @ Yield	ISO 527-2	MPa	34
Tensile Elongation @ Yield	ISO 527-2	%	8
Flexural Modulus (1% Secant)	ISO 178	MPa	1500
Charpy Impact Strength (Notched) at 23 °C	ISO 179/1eA	KJ/m ²	3.0
Rockwell Hardness	ISO 2039-2	R	95

BCF Processing Conditions	
Extrusion Temperatures	210 ~ 240° C
Rolls Temperature	80 ~ 120° C
Draw Ratio	2.8 ~ 3.3
Quenching Temperature	10 ~ 20° C
Texturising Temperature	150 ~ 170° C

NOTE Processing parameters should only be used as guidelines. The above properties values are not to be construed as specifications.