



SABIC® HDPE B4660

HIGH DENSITY POLYETHYLENE

Product Texts

HDPE B5206 is high density polyethylene specially developed for large blow molding / Jerry cans. The material offers high stiffness, good processability and excellent combination of stiffness/ESCR.

Processing/Physical Characteristics	Value	Unit	Test Standard
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ISO Data

Melt flow index, MFI	6.5	g/10min	ISO 1133
Temperature	190	°C	-
Load	21.6	kg	-

Mechanical properties	Value	Unit	Test Standard
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ISO Data

Yield strain	10	%	ISO 527
Charpy impact strength, -30°C	36	kJ/m ²	ISO 179/1eU

ASTM Data

Tensile Modulus	1050	MPa	ASTM D 638
Tensile Strength at Yield	26	MPa	ASTM D 638

PROCESSING CONDITIONS

Barrel temperature: 170-200°C

Melt temperature: 180-210°C

STORAGE AND HANDLING

Polyethylene material should be stored in a manner to prevent a direct exposure to sunlight and/or heat. The storage area should also be dry and preferably don't exceed 50°C. SABIC would not give warranty to bad storage conditions which may lead to quality deterioration such as color change, bad smell and inadequate product performance. It is advisable to process PE resin within 6 months after delivery.