

POLYMERS

SABIC[®] HDPE Blow molding B5403

PRODUCT DESCRIPTION

HDPE B5403 is high density polyethylene specially developed for large blow molding / Jerry cans and Drums. The material offers and excellent combination of stiffness and ESCR and a high Impact resistance. The grade is intended for food contact application.

TYPICAL APPLICATIONS

B5403 is specially designed for Standard jerry cans, UN approved jerry cans, Standard drums, L-ring drums for packaging of dangerous goods and UN approved open top drums. The grade is food contact approved.

TYPICAL DATA

| PROPERTIES | Unit | Value ⁽¹⁾ | Test Method |
|---|-------------------|----------------------|--------------|
| Melt Flow Rate | | | |
| @ 190°C & 21.6 kg load | g/10 min | 2.6 | ISO 1133 |
| Density @ 23°C | Kg/m ³ | 954 | ISO 1183 |
| MECHANICAL PROPERTIES ⁽²⁾ | | | |
| Tensile Modulus | MPa | 1200 | ISO 527-1,-2 |
| Tensile Strength @ Yield | MPa | 27 | ISO 527-1,-2 |
| Tensile Strain @ Yield | MPa | 8 | ISO 527-1,-2 |
| Tensile Impact Strength @ -30°C (Notched) | kJ/m ² | 290 | ISO 8256 |
| Charpy Notched Impact Strength (-30°C, Type 1, Notch A) | kJ/m ² | 80 | ISO 179 |
| FNCT (3.5 MPa, 2 % Igepal BC/9, 80°C) | Hrs | 14 | ISO 16770 |