SGF4950HS

Aspect

Overview

SGF4950HS is a High Density Polyethylene, copolymer, offering an outstanding combination of good processability and excellent stress cracking resistance (ESCR). It is recommended for the production of containers, flasks and bottles up to 30 liters for the transport of chemical products. The minimum biobased carbon content of this grade is 95%, determined according to ASTM D6866.

Applications

- Small automotive tanks, Containers from 2 to 20 L for Household and Industrial Chemicals, Air ducts

Property	Value	Unit	ASTM
Melt index (condition 230°C/2.16 kg)	0.21	g/10 min	D 1238
Density (g/cm³)	0.951	g/cm³	D 792
Melt Flow Rate (190°C/21,6kg)	20	g/ 10 min	ASTM D 1238
Tensile Strength at Yield (a)	25	MPa	ASTM D 638
Tensile Strength at Break (a)	35	MPa	ASTM D 638
Flexural Modulus - 1% Secant (b)	1100	MPa	ASTM D 790
Tensile Impact Strength ISO at 23 °C	110	kJ/m2	ISO 8256
Deflection Temperature under Load at 0.455 MPa (b)	70	°C	ASTM D 648
FNCT	300	min	Braskem

Producer: Braskem

Typical proper es correspond to average values obtained in our laboratories. Test specimens prepared from compression molded sheet made according to ASTM D 4703. Thickness of test piece: a) 2 mm; b) 3 mm. Final Remarks: 1. The information presented in this Data Sheet reflects typical values obtained in our laboratories, but should not be considered as absolute or as warranted values. Only the proper es and values mentioned on the Certificate of Quality are considered as guarantee of the product. 2. For regulatory information of the product, please refer to Regulatory Document or contact our Technical Assistance Area. 3. For information about safety,

handling, individual protection, first aids and waste disposal, please refer to MSDS. 4. The mentioned values in this report can be changed at any moment without Braskem previous communication.