



NUC-8450 EX

Ethylene-Vinyl Acetate-Copolymer

Description

- Good Mechanical Strength at Lower Temperature
- Good Stress Cracking Resistance
- Good processability of Roll-mixing in Foam Application

NUC-8450 EX is a ethylene-vinyl acetate-copolymer designed for blow molding, extrusion molding.

Characteristics	Methods	Units	Typical Value
Polymer characteristics			
Melt Mass Flow Rate(2.16kgf)	ISO 1133	g/10min	1.5
Melting Point ⁽¹⁾	ISO 3146	°C	89
Density	ISO 1183	kg/cm ³	0.94
Vinyl acetate contents	ISO 8985	%	14
Mechanical characteristics			
Tensile strength at break ⁽²⁾	ISO 527-3	MPa	18
Tensile extension at Break ⁽²⁾	ISO 527-3	%	750
Hardness			
Shore A	ASTM D 2240	--	92
Shore D	ASTM D 2240	--	34
Brittleness Temperature	JIS K7216	deg C	< -75
Vicat Softening Temperature	ISO 306	deg C	64
Environmental Stress Cracking	ISO 4599	hr	> 500

(1) DSC method, 10degree C/min heating up rate

(2) Testing Speed 200m/min

Processing conditions

For Blow molding

Resin Temperature 130 - 170 degC

Shrinkage: 1 - 4 %

For Extrusion molding

Resin Temperature 130 - 170 degC

For Foam application

Roll Temperature 85- 100 degC

* Please be careful keep resin temperature under 230 degC

[Notice]

The values are dependent upon using the test methods and conditions and are offered herein as a guide in the use of the resin. Data should not be used for specification work.

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