DOW™ VLDPE DFDB-9042 NT
Very Low Density Polyethylene Resin

Overview

- High performance sealant layer in flexible packaging
- Good optics, low temperature seal initiation and abuse resistance
- Complies with CANADIAN HPFB NO OBJECTION (WITH LIMITATIONS)

Although this product has been granted Canadian Health Products and Food Branch (HPFB) No Objection Status, it is the responsibility of the end-user to consult HPFB before using this product in a food contact or pharmaceutical packaging application. Some restrictions may apply in Canada on the use of this product. Contact the Canadian Regulatory Specialist for information on specific applications where No Objection Status was granted for this product.

DFDB-9042 NT Very Low Density Polyethylene (VLDPE) Resin is produced via gas phase polymerization from Dow. This is an ethylene-butene copolymer designed to provide blown and cast film products with low temperature sealability, good optics and good abuse resistance. It has value as a sealant layer in multilayer film structures for dry and liquid packaging.

Physical	Nominal Value	(English)	Nominal Value	(SI)	Test Method
Density	0.899	g/cm³	0.899	g/cm³	ASTM D792
Melt Index (190°C/2.16 kg)	5.2	g/10 min	5.2	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Tensile Strength (Break)	1650	psi	11.4	MPa	ASTM D638
Tensile Elongation (Break)	900	%	900	%	ASTM D638
Flexural Modulus - 2% Secant	17000	psi	117	MPa	ASTM D790A
Hardness	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Durometer Hardness					ASTM D2240
Shore A, 1 sec	91		91		
Shore A, 5 sec	93		93		
Thermal	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Glass Transition Temperature (DSC)	-62.0	°F	-52.2	°C	Dow Method
Melting Temperature (DSC)	246	°F	119	°C	Dow Method
Additional Information					
Plaque molded and tested in accordance with ASTM D4976.					

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.