

# NEOFLON™ EFEP RP-4040

Fluoropolymer  
DAIKIN AMERICA, INC.

Message:

EFEP RP-4020 and RP-4040 are fluoropolymers combining the excellent physical and chemical properties derived from ETFE together with the very low melting temperature characteristic of a conventional thermoplastic. These resins have a high transparency and adhere well to many kinds of plastics and inorganic materials (glass, metals) without adhesive or etching.

EFEP RP-4020 and RP-4040 offer the following advantages for a wide range of applications found in the chemical processing, semiconductor and film industries:

- Very low processing temperature and excellent thermal stability
- High transparency
- Excellent chemical resistance
- High purity
- Excellent weathering
- Improved heat sealing properties
- Low mold shrinkage (injection molding)
- Co-extrusion with other resins (nylons, EVOH, modified PE, and ETFE) without adhesive or etching

General Information			
Features	High purity		
	Good heat sealability		
	Good adhesion		
	Good chemical resistance		
	Good weather resistance		
	Definition, high		
	Thermal stability, good		
	Low shrinkage		
Uses	Films		
	Multilayer film		
	Pipe fittings		
	Bottle		
	Container		
Appearance	Clear/transparent		
Forms	Particle		
Processing Method	Blow molding		
	Co-extrusion molding		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.74	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (265°C/5.0 kg)	3.0 - 8.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method

Tensile Strength (Yield)	55.0	MPa	ASTM D638
Tensile Elongation (Break)	450	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	160	°C	DSC
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	170	°C	
Cylinder Zone 2 Temp.	185	°C	
Cylinder Zone 3 Temp.	210	°C	
Cylinder Zone 4 Temp.	220	°C	
Adapter Temperature	225	°C	
Die Temperature	210	°C	
Extrusion instructions			

Cylinder Diameter: 55 mmScrew L/D: 25Compression Ratio: 3Screw Speed: 10 rpmLine Speed: 0.45 m/minDie I.D.: 36 mmTip O.D.: 27 mm

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

